

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P323806

Luminaire Tested: **GAN-SA2C-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10695 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

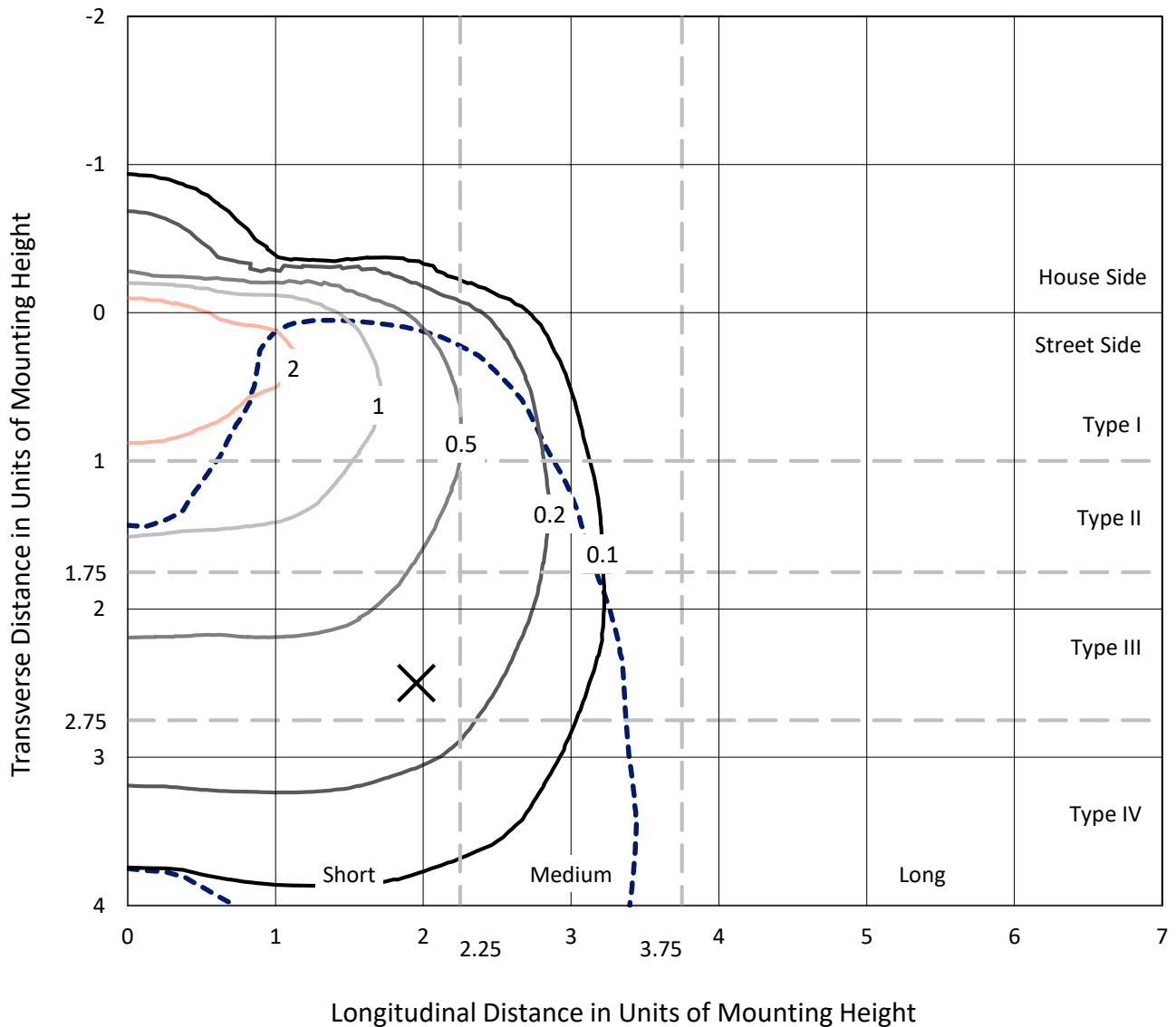
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

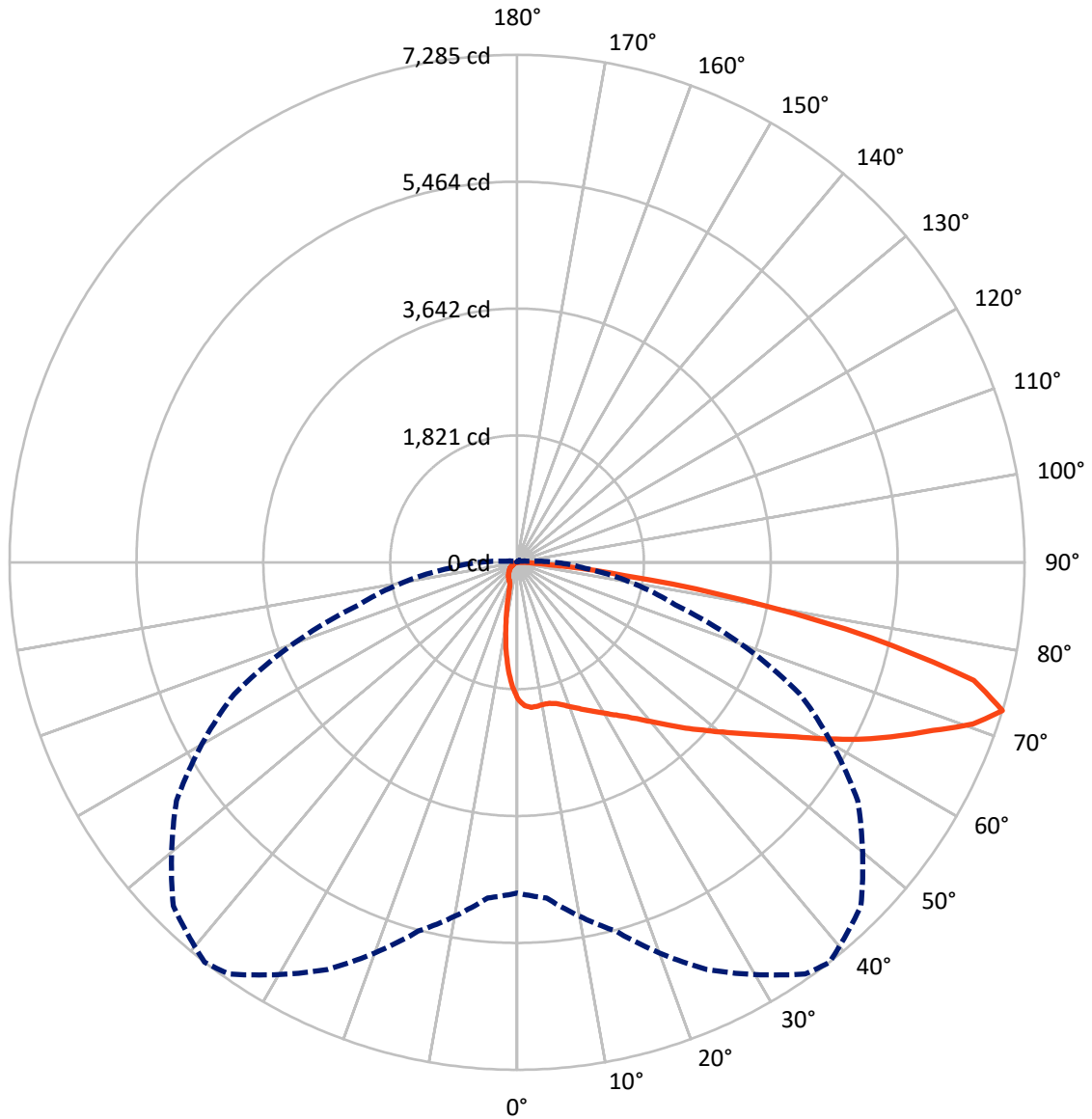
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	900.0	0.0	900.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	9795.0	0.0	9795.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	10695.0	0.0	10695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.6
10°-20°	409.8	3.8
20°-30°	651.8	6.1
30°-40°	980.0	9.2
40°-50°	1495.0	14.0
50°-60°	2113.0	19.8
60°-70°	2650.4	24.8
70°-80°	1981.7	18.5
80°-90°	245.7	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10695.0	100.0
0°-180°	10695.0	100.0

Coefficient of Utilization

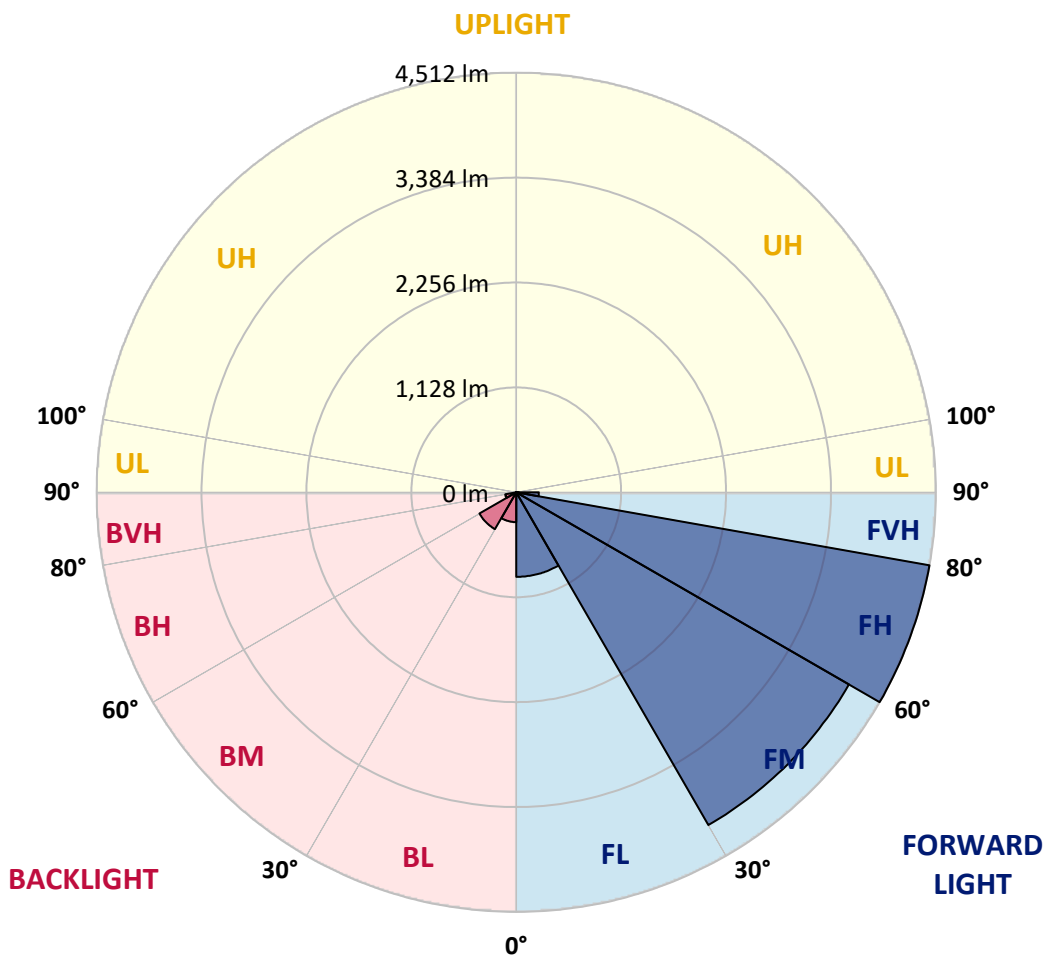


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	908.8	8.5			
FM (30°-60°)	4130.9	38.6			
FH (60°-80°)	4511.8	42.2			G2/5000
FVH (80°-90°)	243.4	2.3			G3/500
BL (0°-30°)	320.5	3.0	B1/500		
BM (30°-60°)	457.0	4.3	B1/1000		
BH (60°-80°)	120.2	1.1	B1/500		G1/500
BVH (80°-90°)	2.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8
2.5°	2087.6	2088.0	2083.1	2075.2	2064.9	2059.6	2050.7	2036.5	2021.4	1994.3	1965.0
5°	2130.2	2130.2	2124.0	2113.4	2096.9	2092.0	2075.2	2052.5	2021.4	1977.4	1928.1
7.5°	2125.8	2126.7	2118.2	2107.1	2090.7	2086.3	2065.8	2040.5	2001.9	1948.6	1885.5
10°	2102.7	2104.9	2098.2	2092.9	2077.8	2072.9	2053.8	2028.5	1989.9	1933.0	1860.6
12.5°	2079.1	2081.4	2083.6	2088.5	2079.1	2077.4	2062.3	2041.0	2004.1	1945.0	1863.3
15°	2064.0	2068.5	2084.5	2103.6	2105.8	2104.0	2094.3	2074.3	2037.0	1975.7	1882.4
17.5°	2064.0	2071.2	2104.5	2140.9	2153.8	2155.1	2146.7	2118.7	2074.3	2008.5	1900.2
20°	2081.4	2091.1	2143.1	2194.6	2216.0	2216.0	2199.5	2160.4	2108.5	2038.3	1912.1
22.5°	2125.8	2138.7	2204.0	2263.5	2286.1	2281.2	2259.0	2202.2	2144.0	2072.0	1927.2
25°	2213.3	2223.1	2291.0	2351.0	2364.7	2353.6	2325.7	2252.8	2189.3	2117.8	1954.8
27.5°	2326.1	2327.4	2397.6	2448.3	2439.8	2432.3	2397.2	2316.3	2254.6	2183.1	2002.3
30°	2450.0	2450.0	2511.8	2550.4	2524.7	2518.4	2483.3	2393.2	2338.1	2271.9	2069.8
32.5°	2570.0	2575.3	2625.5	2649.9	2621.0	2614.8	2580.6	2490.4	2449.1	2407.4	2175.1
35°	2685.9	2689.9	2737.4	2750.7	2723.2	2725.0	2700.5	2624.1	2608.6	2603.3	2333.7
37.5°	2798.3	2799.1	2847.6	2856.0	2842.2	2857.3	2859.6	2792.0	2820.9	2864.0	2557.1
40°	2900.9	2901.7	2949.7	2971.5	2995.0	3014.6	3031.9	2995.9	3091.4	3191.3	2823.1
42.5°	2983.0	2992.4	3053.2	3094.5	3156.7	3194.0	3241.1	3239.3	3413.4	3563.6	3144.7
45°	3055.4	3071.4	3156.3	3228.7	3335.3	3394.8	3468.5	3526.2	3775.9	3978.0	3470.3
47.5°	3150.9	3166.0	3262.9	3381.4	3523.6	3601.8	3723.9	3848.7	4174.3	4384.8	3788.3
50°	3285.5	3278.8	3374.3	3544.5	3727.0	3829.6	4003.7	4190.7	4569.6	4739.3	3975.3
52.5°	3429.0	3426.3	3496.9	3721.7	3966.9	4086.8	4316.9	4544.3	4947.6	4983.6	4061.0
55°	3606.6	3587.5	3647.1	3923.8	4251.6	4380.4	4651.3	4894.3	5248.7	5121.3	4104.1
57.5°	3792.7	3761.2	3818.1	4149.0	4572.7	4725.1	5021.8	5235.4	5449.1	5215.4	4103.7
60°	3985.1	3947.8	4015.3	4430.6	4971.6	5147.9	5423.3	5465.9	5636.0	5262.9	4073.5
62.5°	4145.9	4123.7	4224.0	4731.7	5417.1	5590.3	5726.7	5675.6	5793.7	5299.8	4002.8
65°	4316.0	4317.3	4479.4	5083.1	5890.6	6007.4	6018.9	5947.4	5925.6	5292.3	3763.9
67.5°	4546.1	4567.4	4837.9	5560.1	6351.2	6441.3	6440.4	6241.9	6022.0	4992.0	3234.0
70°	4789.5	4839.7	5251.0	6106.0	6854.0	6945.5	6898.4	6429.3	5670.2	4036.6	2288.8
72.5°	4748.6	4835.7	5480.6	6450.2	7215.1	7284.8	6978.8	5968.7	4481.7	2346.1	974.5
75°	3663.5	3764.3	5025.3	6109.1	6836.2	6773.6	5996.3	4644.7	2449.1	654.7	219.4
77.5°	1935.2	1989.0	3319.7	4654.0	5330.5	5199.4	4224.0	2576.6	746.6	162.1	98.6
80°	1013.6	1026.0	1446.7	2640.6	3290.0	3290.8	2503.3	1131.7	307.8	83.1	66.2
82.5°	542.8	553.4	764.4	1220.1	1723.8	1562.6	958.5	622.7	179.0	47.1	63.5
85°	130.6	132.8	433.5	557.4	677.8	484.1	284.7	522.8	48.4	27.5	51.5
87.5°	50.2	51.1	160.8	241.2	172.8	111.9	133.3	195.0	6.2	10.7	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8	1966.8
2.5°	1947.2	1935.7	1907.3	1871.3	1839.3	1816.2	1781.6	1758.9	1743.8	1743.4	1737.6
5°	1897.9	1874.4	1813.1	1740.2	1674.1	1614.6	1544.4	1488.9	1447.5	1440.9	1426.7
7.5°	1845.1	1806.4	1712.3	1598.6	1487.5	1374.7	1243.7	1162.4	1092.7	1059.3	1055.8
10°	1812.6	1758.5	1624.8	1460.4	1286.3	1102.9	931.4	812.8	727.1	702.7	684.5
12.5°	1806.0	1734.5	1557.3	1330.7	1082.0	839.5	649.8	523.7	455.3	433.5	427.7
15°	1812.6	1723.4	1500.4	1202.4	875.0	595.6	436.2	362.9	337.1	330.9	330.5
17.5°	1816.6	1710.0	1436.0	1059.8	674.2	425.5	334.0	312.7	308.7	308.3	309.1
20°	1816.2	1689.6	1359.2	900.8	501.5	334.5	302.0	297.6	296.7	297.1	296.7
22.5°	1813.1	1665.6	1274.8	736.9	378.9	298.9	288.3	285.6	285.2	285.2	285.2
25°	1818.9	1646.5	1181.9	580.1	312.2	282.5	275.8	273.6	273.2	273.2	272.3
27.5°	1839.7	1635.9	1080.2	446.4	282.0	267.8	262.5	262.1	260.7	260.3	261.2
30°	1873.5	1635.9	968.7	347.3	263.8	252.7	248.7	247.8	247.4	247.0	247.4
32.5°	1933.0	1648.3	847.0	288.7	246.5	235.9	233.2	234.5	233.2	233.2	233.2
35°	2040.5	1685.6	719.6	251.8	228.3	219.4	216.8	218.5	217.6	217.6	217.2
37.5°	2197.3	1754.9	591.2	229.6	212.3	203.0	199.4	202.1	201.2	201.2	200.8
40°	2388.3	1855.7	469.0	212.8	196.8	187.0	183.9	185.2	183.0	183.0	183.9
42.5°	2624.1	1983.7	362.4	196.3	181.2	171.9	170.1	168.8	164.8	162.6	163.0
45°	2886.2	2116.9	282.5	180.3	166.6	159.0	156.3	152.8	146.1	141.7	142.1
47.5°	3120.3	2219.5	229.6	164.8	153.2	147.5	143.5	136.8	127.0	121.7	122.1
50°	3243.3	2235.1	195.4	149.2	140.8	135.0	129.3	119.0	107.5	101.7	101.3
52.5°	3274.8	2162.2	170.1	135.0	128.4	121.7	114.2	100.4	87.5	81.3	80.4
55°	3286.4	2051.2	147.5	121.7	115.0	107.5	97.7	82.2	70.2	64.0	63.5
57.5°	3248.2	1885.5	129.7	109.7	101.7	92.4	80.4	65.7	54.2	49.3	49.3
60°	3163.4	1661.2	115.9	96.8	87.9	77.3	64.8	51.1	40.4	36.4	36.4
62.5°	2994.1	1370.7	103.0	83.5	75.1	64.0	52.4	38.6	28.4	26.2	26.7
65°	2674.8	1039.8	90.2	71.5	64.0	52.9	40.9	27.5	19.1	19.1	20.0
67.5°	2181.3	722.2	76.8	60.9	55.1	43.1	31.1	19.1	13.3	15.1	16.9
70°	1444.0	405.1	65.7	50.2	47.1	34.2	23.1	12.9	10.7	14.2	17.3
72.5°	545.0	157.7	55.1	40.4	40.9	26.2	16.4	9.8	9.8	15.5	20.4
75°	151.9	77.3	39.5	29.8	32.0	19.1	12.0	8.4	9.3	17.8	24.0
77.5°	89.3	56.9	25.8	17.3	21.8	13.3	8.0	6.7	8.0	15.1	23.1
80°	72.0	30.2	15.1	8.9	12.0	7.6	5.3	4.0	2.2	5.8	12.0
82.5°	72.0	18.2	7.1	6.2	6.2	4.0	2.7	1.8	0.4	0.0	3.1
85°	48.4	7.6	4.4	4.0	3.1	1.3	0.9	0.4	0.0	0.0	0.0
87.5°	8.0	3.1	1.8	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)